FUNDAMENTALS OF COMPRESSED AIR SYSTEMS
Sept. 21, 2006 in Cedar City, Utah

Overview

This is a 1-day introductory workshop designed to teach facility engineers, operators and maintenance staff how to achieve 15 - 25% cost savings through more effective production and use of compressed air.

Workshop participants will be able to achieve higher productivity, reduced downtime, greater energy savings, increased product quality, and greater efficiency. Evaluate your own systems and apply proven techniques.

Find out how a compressed air system works and the benefits of optimal compressed air system performance. This initial class demonstrates how to compute the current cost of your plant's compressed air systems, how to measure and create a baseline of system performance, and how to determine the impact of different compressor control types. Learn basic approaches for cutting costs; identify steps for proper system operation, maintenance, and point-of-use accountability; and tailor a compressed air system management action plan for your plant. Make your company more profitable by getting smarter about compressed air.

Registration fee

$100 per person

On-line registration

http://www.utah.edu/uees
Contact Janeen Bennion, at 801-581-6348
or email jan.bennion@utah.edu

Location

Southern Utah University
Hunter Conference Center
351 West University Boulevard
Cedar City, UT 84720
(435) 586-7853

Optimize your compressed air system and reduce energy costs…

Agenda

7:30 - 8:00 Registration, Continental Breakfast

8:00 - 12:00 Morning Session

- Why care about air?
  - Compressed Air Challenge questionnaire
  - Pre-workshop assignment
- Study your supply side
  - What is supply side?
  - Typical components of the supply system: compressors, controls, dryers, traps and drains, and filters
- Understand your demands
  - What is the demand side?
  - Typical components of demand
  - Inappropriate uses of compressed air
  - Common leak locations and how to fix them
- Are you on base?
  - Baselining basics and techniques

12:00 - 1:00 Lunch (provided)*

1:00 - 4:30 Afternoon Session

- Stay under control
  - Controls, part-load efficiency, and storage
  - Using controls - pros and cons
- Maintain system efficiency
  - Simple, quick cost-cutting measures
  - System demand profile
- Get with the plan
  - Seven-step action plan
  - Personal action plan

**Vegetarian meals available upon request*

Instructor: **Jeff Yarnall, PE**

Jeff Yarnall is a licensed mechanical engineer, State of Oregon, with over 25 years experience with compressed air systems, including: system design, applications, installations, troubleshooting, maintenance, controls and energy audits.

Jeff has trained over 1,000 technicians, supervisors and engineers, applying his experience gained while performing hundreds of compressed air audits.

Jeff holds a BS in Resource Systems Engineering from Humboldt State University. He is a national Level 1 and Level 2 instructor for the Compressed Air Challenge™, a national educational effort to improve air systems efficiency throughout the United States.